

ABSTRACT OF THE DISCLOSURE

An induction heating device for inductively heating an object to be heated which is formed of conductive material has a holder. The device also has a coil for inductively heating the object. The coil is supported by the holder. The coil is composed of a plurality of turns of conductor forming a layer, which is positioned along the object. Between conductor sections of the coil through which electric currents respectively flow in the same direction is formed a gap through which temperature of the object is detected. The device is capable of accurately detecting the temperature of heating region of the object, at low cost, and capable of increasing stability and safety in control of the temperature.